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(74) Agents: McNUTT, Matthew B. et al.; Office of Intellectual Property Counsel. P.O. Box 33427, Saint Paul, MN 55133-3427 (US).

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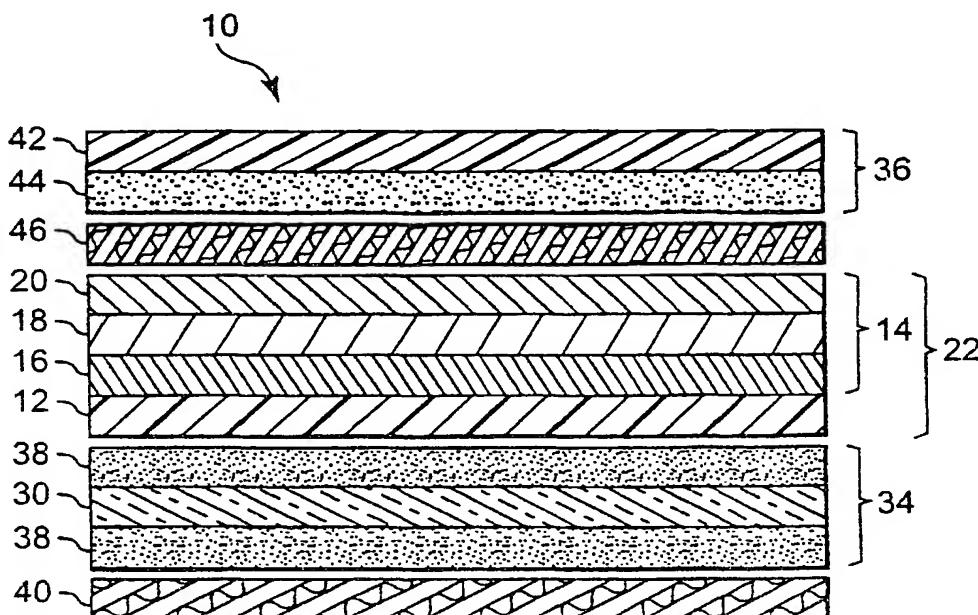
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(71) Applicant (for all designated States except US): 3M INNOVATIVE PROPERTIES COMPANY [US/US]; 3M Center, P.O. Box 33427, Saint Paul, MN 55133-3427 (US).

(72) Inventor; and

(73) Inventor/Applicant (for US only): NGIN, Sywong [US/US]; P.O. Box 33427, Saint Paul, MN 55133-3427 (US).

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(57) Abstract: The invention provides a flexible electrode antenna having a layer of conductive material laminated between a layer of flame retardant material and a layer of protective material. The layer of conductive material is preferably a metalized polymer substrate having corrosion resistant properties. The flame retardant material is preferably a glass cloth, while the protective material is preferably a non-woven material.